

CLAIMS:

1. An organic electroluminescent display panel comprising:  
one or more organic electroluminescent elements each having first and second display electrodes and one or more organic functional layers of organic compounds sandwiched and layered between said first and second display electrodes, the organic functional layers including a light-emitting layer; and  
a substrate supporting said organic electroluminescent elements;

a high-molecular compound film covering said organic electroluminescent elements and a surface of the substrate around said one or more organic electroluminescent elements; and

an inorganic barrier film covering said high-molecular compound film, an edge thereof, and a surface of the substrate around said high-molecular compound film.

2. An organic electroluminescent display panel according to claim 1, wherein said inorganic barrier film is made of silicon nitride or silicon oxynitride or silicon oxide.

3. An organic electroluminescent display panel according to claim 1 or 2, wherein said inorganic barrier film is formed by a plasma chemical vapor deposition process or a sputter deposition process.

4. An organic electroluminescent display panel according to any one of claims 1-3, wherein said high-molecular compound

film is formed by a plasma polymerization deposition process or a chemical vapor deposition process.

5. An organic electroluminescent display panel according to any one of claims 1-4, wherein said high-molecular compound film is made of polyparaxylylene.

6. An organic electroluminescent display panel according to any one of claims 1-5, wherein said substrate is a plastic substrate made of a high-molecular compound.

7. An organic electroluminescent display panel according to claim 6, further comprising an inorganic barrier film previously formed on the plastic substrate so as to cover a surface supporting said organic electroluminescent elements on said plastic substrate.

8. A method of manufacturing an organic electroluminescent display panel comprising one or more organic electroluminescent elements and a substrate supporting the organic electroluminescent elements, comprising the steps of:

forming one or more organic electroluminescent elements on a substrate, each having first and second display electrodes and one or more organic functional layers of organic compounds sandwiched and layered between said first and second display electrodes, the organic functional layers including a light-emitting layer;

forming a high-molecular compound film having an area larger than a display area including said organic electroluminescent elements so as to cover said organic electroluminescent elements and a surface of the substrate around said one or more organic electroluminescent elements; and

forming an inorganic barrier film having an area larger than the area of said high-molecular compound film so as to cover said high-molecular compound film, an edge thereof, and a surface of the substrate around said high-molecular compound film.

9. A manufacturing method according to claim 8, wherein the edge of said high-molecular compound film is so formed that said edge becomes gradually thinner.

10. A manufacturing method according to claim 8 or 9, wherein said inorganic barrier film is made of silicon nitride or silicon oxynitride or silicon oxide.

11. A manufacturing method according to any one of claims 8-10, wherein said inorganic barrier film is formed by a plasma chemical vapor deposition process or a sputter deposition process.

12. A manufacturing method according to any one of claims 8-11, wherein said high-molecular compound film is formed by a plasma polymerization deposition process or a chemical vapor deposition process.